

**Upward Bound
Summer 2009
Algebra I
Mrs. Shober**

Location:

Goals: This course in Algebra I seeks to reach the following goals in six weeks:

1. To prepare students for a high school Algebra I class.
2. To assist students in simplifying powers and roots.
3. To assist students in solving problems using proportions.
4. To show students the different ways of solving equations.
5. To allow students to factor and work with polynomials.

Grading: The following will be important in determining your final grade in the course:

1. Active attendance (participating on your own free will) 10%
2. Homework 20%
3. Quizzes (two or three, possibly more) 20%
4. Midterm 20%
5. Final Exam 30%

Classroom Etiquette:

No food or drinks are permitted unless you are willing to buy for the whole gang. If you have to leave early, please sit by the door and exit quietly. If you come in late, sneak in when my back is turned and sit there smirking like you've gotten away with something.....but you haven't.

Miscellaneous:

1. I treat you like adults – I do not babysit.
2. If you are late to class or absent, it is your responsibility to contact your peers for the information you missed. If you have contacted them and still have questions, please see me.
3. I will not hunt you down for your homework. If you do not show it to me at the end of class (if tardy) or when you return (if absent), it will be marked as incomplete.
4. If anyone is caught cheating, you will fail the course and risk expulsion. Open door policy: I remember being in your shoes. Anything you need or would like to talk about, please feel free – it is not a bother – I'm glad to help! ☺

Tentative Schedule (can change whenever I feel like it, but you're stuck with it)!!

M 6/22	Introduction to Course / Introducing Signed Numbers
T 6/23	What is a Power?
W 6/24	Multiplication and Division of Powers / Negative Exponents
Th 6/25	Star Wars / Sample PSSA Questions
M 6/29	Understanding Proportions / Using Proportions to Solve Word Problems
T 6/30	Equations with Parentheses: Word Problem Skills / Review for Quiz
W 7/1	Quiz / Solving a Linear Equation
Th 7/2	No Class / 4th of July Holiday
M 7/6	Review Quiz / Solving a System of Equations
T 7/7	Review for Midterm on Wednesday
W 7/8	Midterm
Th 7/9	Review Midterm / Quadratic Equations
F 7/10	Quadratic Equations (cont.)
M 7/13	Mixture Problems
T 7/14	No Class / New York City Trip
W 7/15	Factors and Prime Numbers / Square Roots
Th 7/16	Factoring out a Number and a Variable / Factoring and Dividing
M 7/20	Factoring a Difference of Squares / Naming Polynomials
T 7/21	Adding, Subtracting, and Multiplying Polynomials
W 7/22	Using Algebra in Geometry / The Pythagorean Theorem / Review for Quiz
Th 7/23	Systems of Linear Equations in 3 Variables
M 7/27	Quiz / Algebra
T 7/28	Review for Final on Wednesday
W 7/29	Final
Th 7/30	Review Final / Wrap-Up